

## Product datasheet for **TA802889**

### **HADHSC (HADH) Mouse Monoclonal Antibody [Clone ID: OT11E6]**

#### **Product data:**

|                                |   |
|--------------------------------|---|
| <b>Product Type:</b>           | Primary Antibodies  |
| <b>Clone Name:</b>             | OT11E6  |
| <b>Applications:</b>           | IHC, WB   |
| <b>Recommended Dilution:</b>   | WB 1:2000, IHC 1:150  |
| <b>Reactivity:</b>             | Human, Mouse, Rat   |
| <b>Host:</b>                   | Mouse   |
| <b>Isotype:</b>                | IgG2a   |
| <b>Clonality:</b>              | Monoclonal  |
| <b>Immunogen:</b>              | Human recombinant protein fragment corresponding to amino acids 57-314 of human HADH (NP_005318) produced in E.coli.  |
| <b>Formulation:</b>            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| <b>Concentration:</b>          | 1 mg/ml   |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| <b>Conjugation:</b>            | Unconjugated  |
| <b>Storage:</b>                | Store at -20°C as received.   |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.  |
| <b>Predicted Protein Size:</b> | 32.8 kDa  |
| <b>Gene Name:</b>              | hydroxyacyl-CoA dehydrogenase   |
| <b>Database Link:</b>          | <a href="#">NP_005318</a><br><a href="#">Entrez Gene 15107 Mouse</a> <a href="#">Entrez Gene 113965 Rat</a> <a href="#">Entrez Gene 3033 Human</a><br><a href="#">Q16836</a>  |
| <b>Background:</b>             | This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15. [provided by RefSeq, May 2010] |

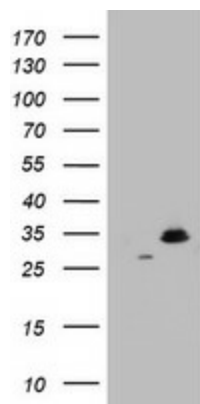


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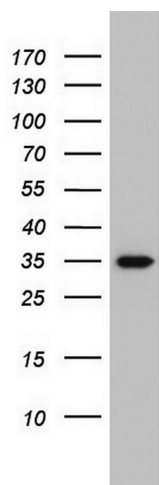
**Synonyms:** HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

**Protein Pathways:** Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

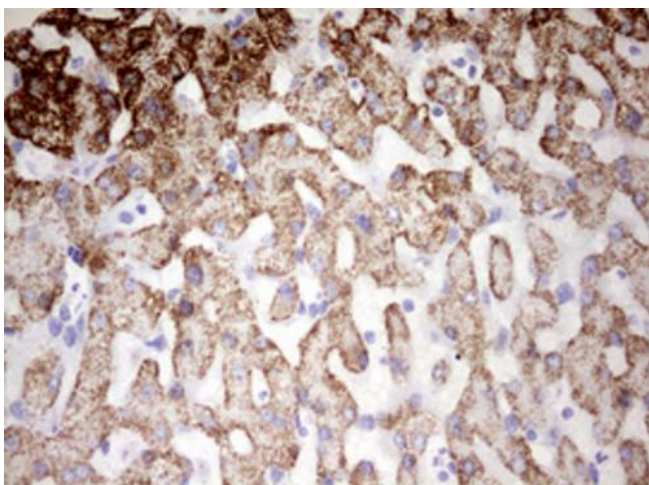
**Product images:**



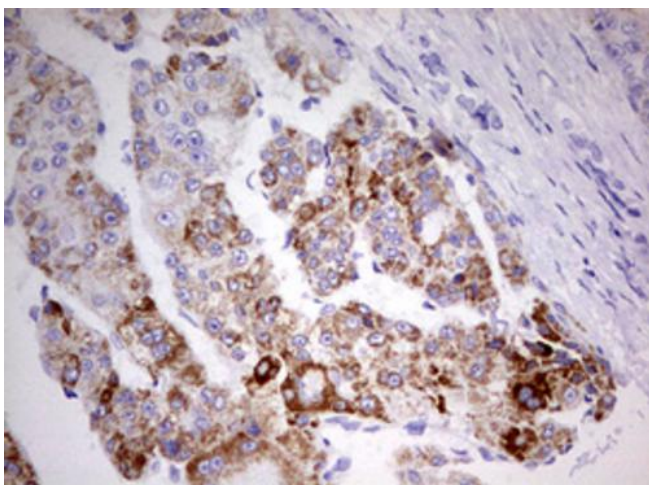
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HADH ([RC201752], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HADH. Positive lysates [LY401643] (100ug) and [LC401643] (20ug) can be purchased separately from OriGene.



Western blot analysis of HT29 cell lysate (35ug) by using anti-HADH monoclonal antibody. Dilution: 1:500



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-HADH mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HADH mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.